



SCANNER SYSTEM BLOCK DIAGRAM

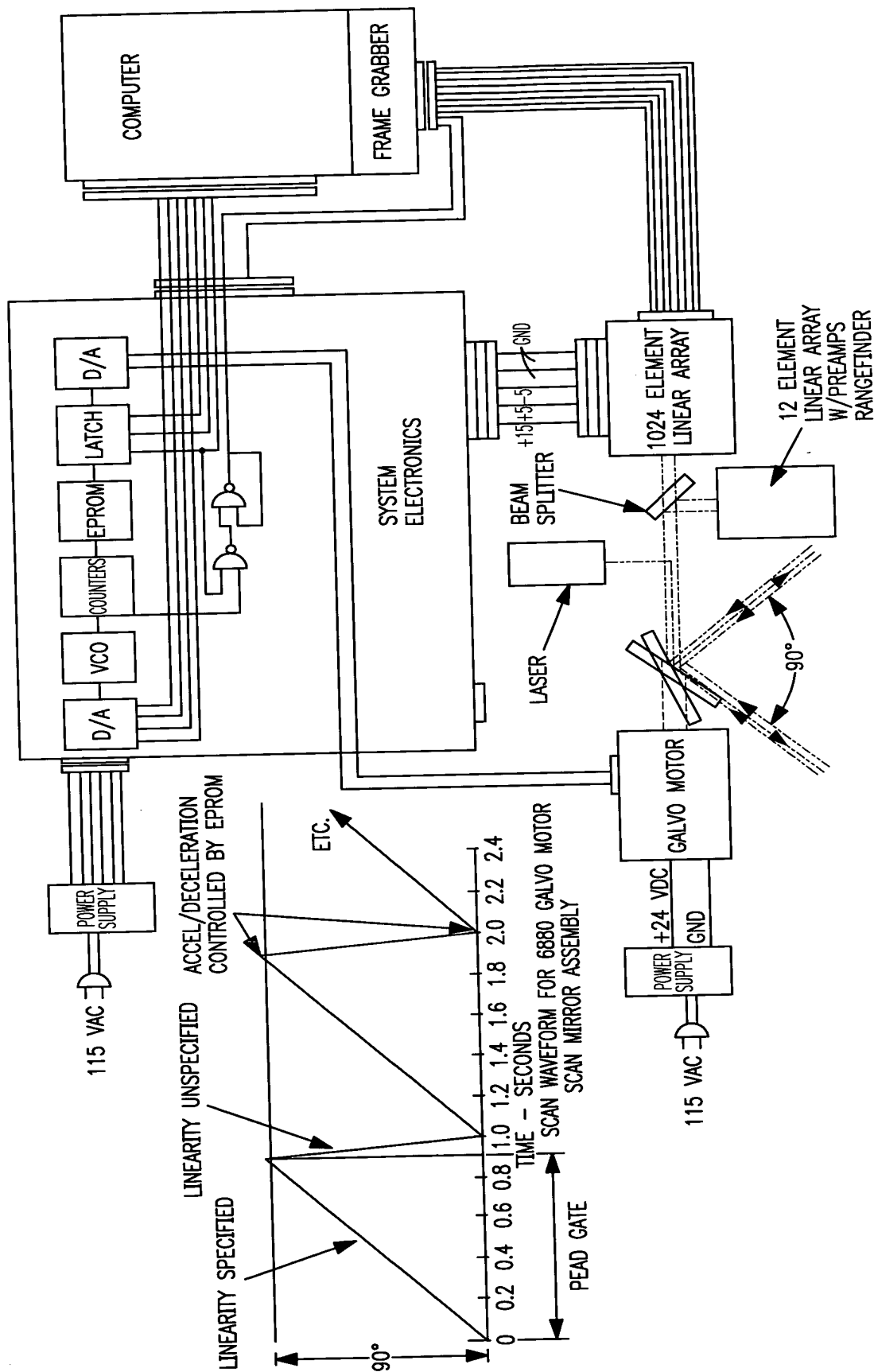


FIG. 1

LAYOUT, SEARCH AND RESCUE SCANNER 2 AXIS STABILIZED OPTICAL HEAD

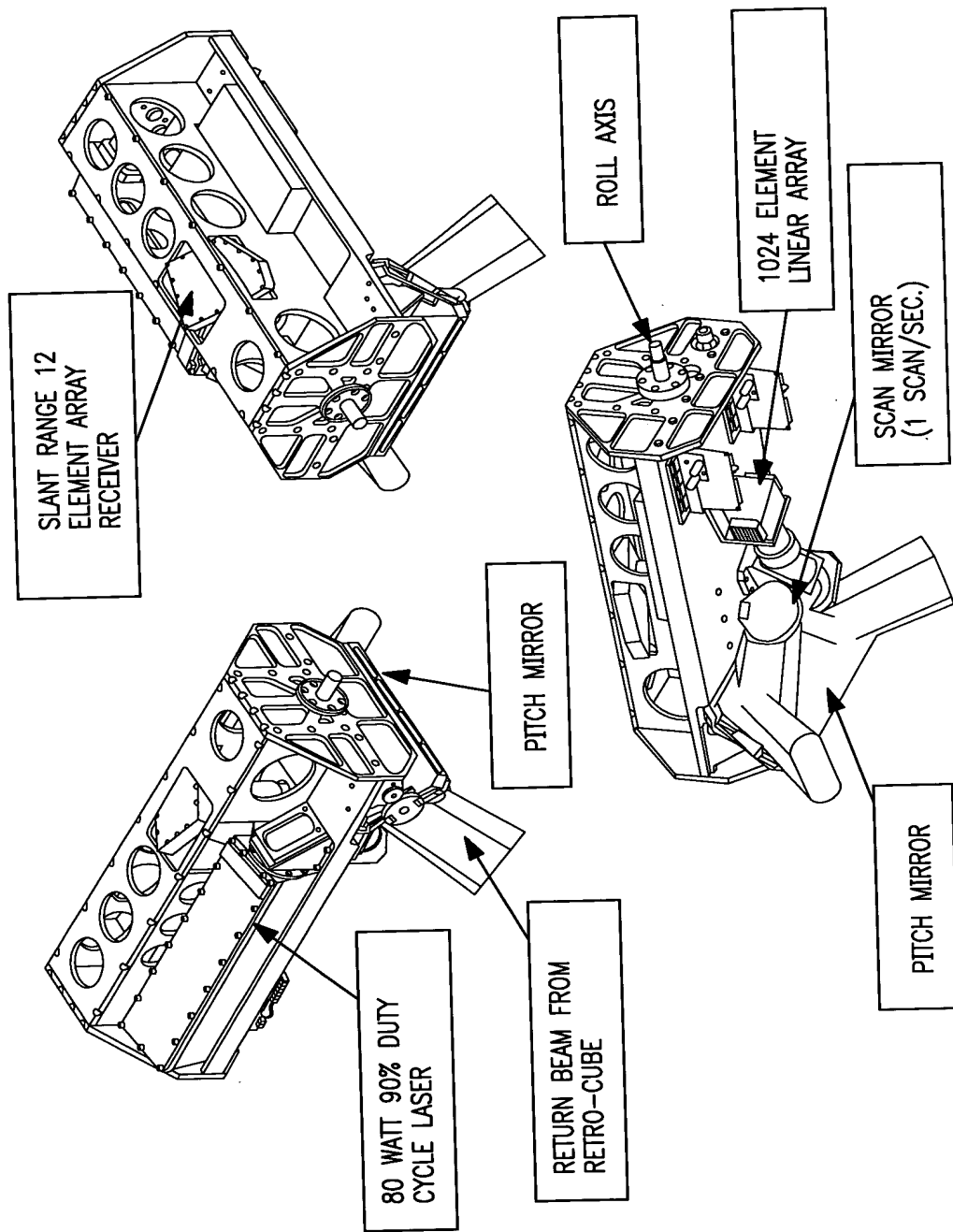
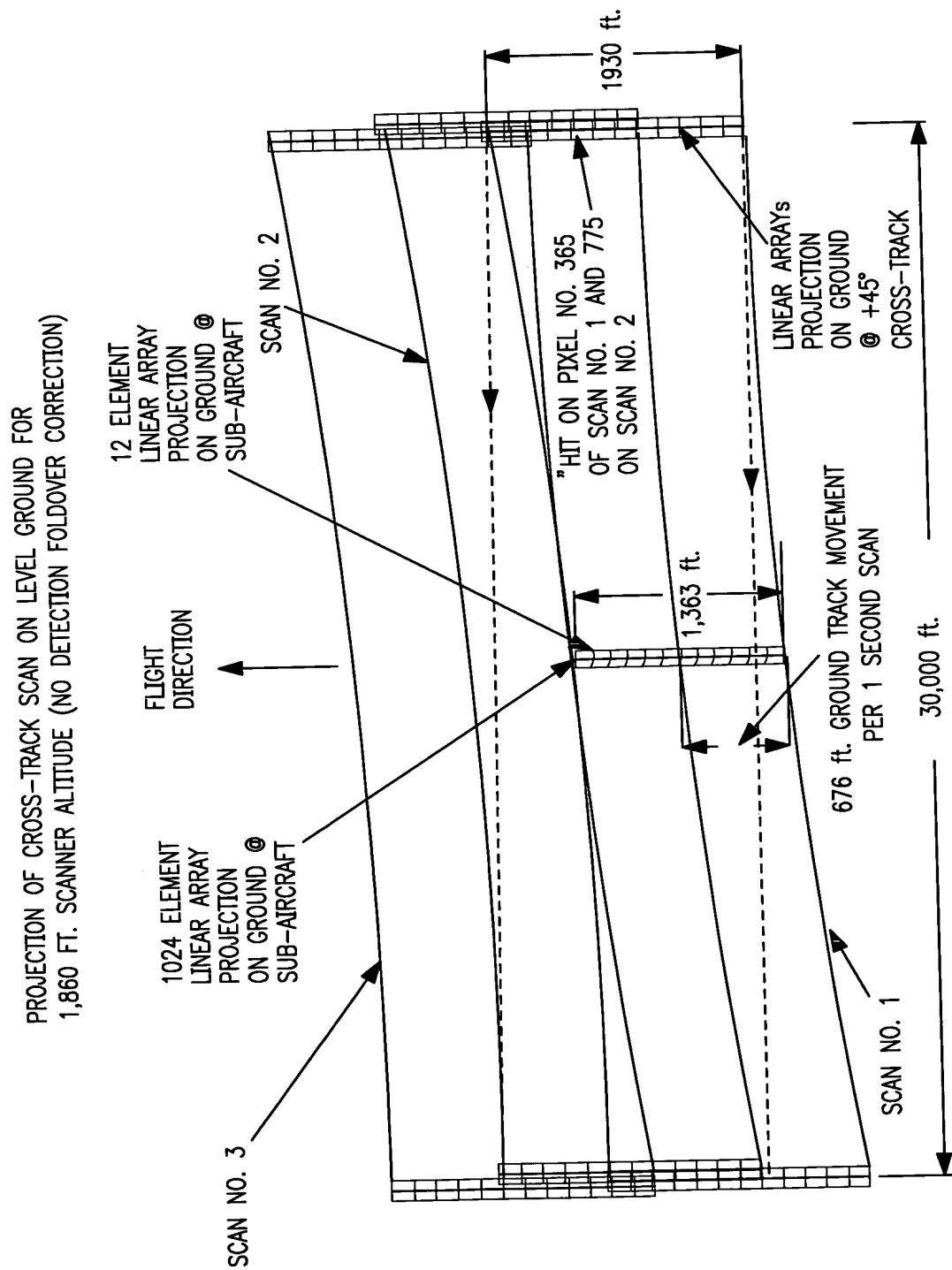


FIG. 2



- NOTES: 1. ALL DIMENSIONS ARE IN FEET ON
LEVEL GROUND FOR 10,000 FT.
AIRCRAFT ALTITUDE
2. SCAN PATHS ARE SHOWN WITH EXAGGERATED
STABLE PLATFORM ROLL OSCILLATION FOR EASE OF PRESENTATION

FIG. 3

LAYOUT OF HEAD-MOUNTED CORNER CUBE ASSEMBLY

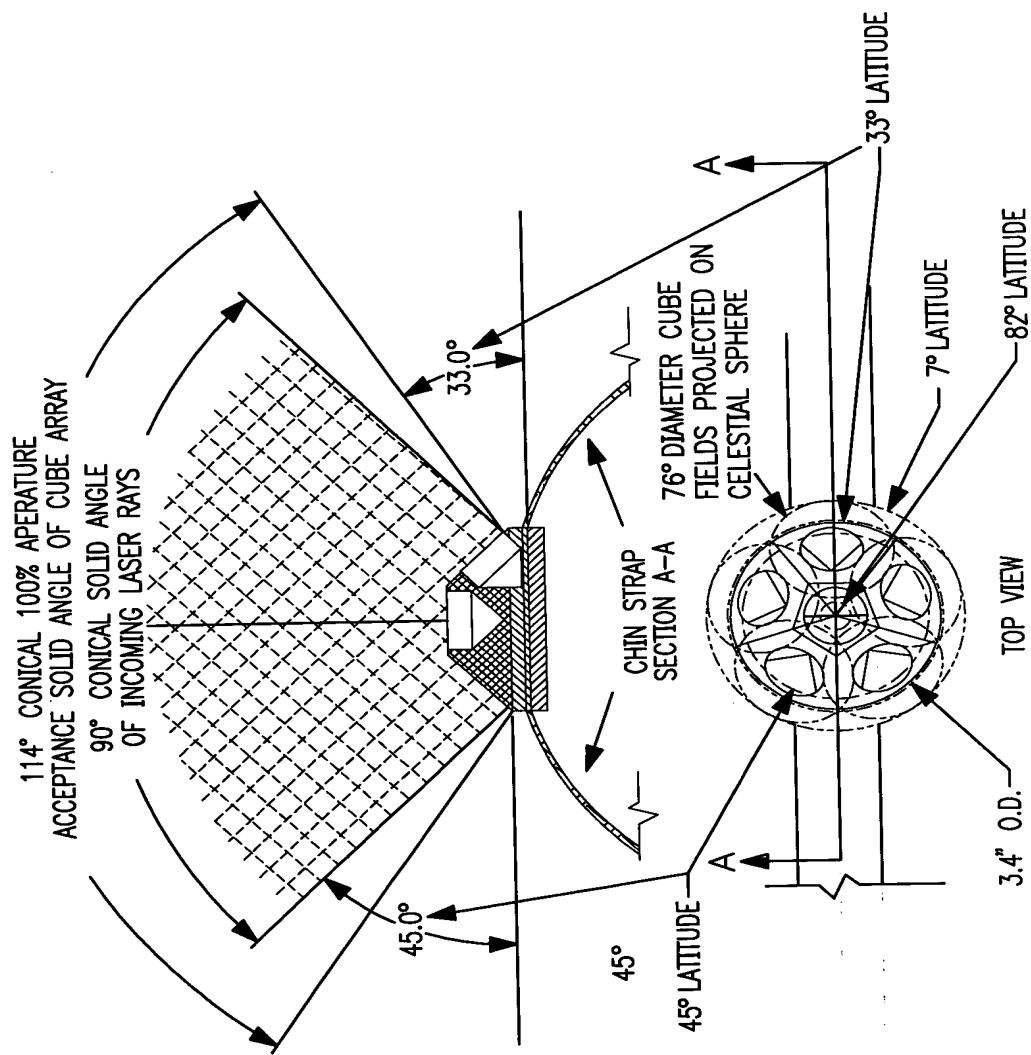


FIG. 4

OPTICAL HEAD LAYOUT MOUNTED IN F-16 TRAVEL POD SHOWING WINDOW
REFLECTIONS ARE NOT SEEN BY RECEIVERS

REFLECTED LASER RAYS FROM WINDOW
ASSUMING INFINITE WIDTH MIRRORS

UNFOLDED RECEIVER APERTURE

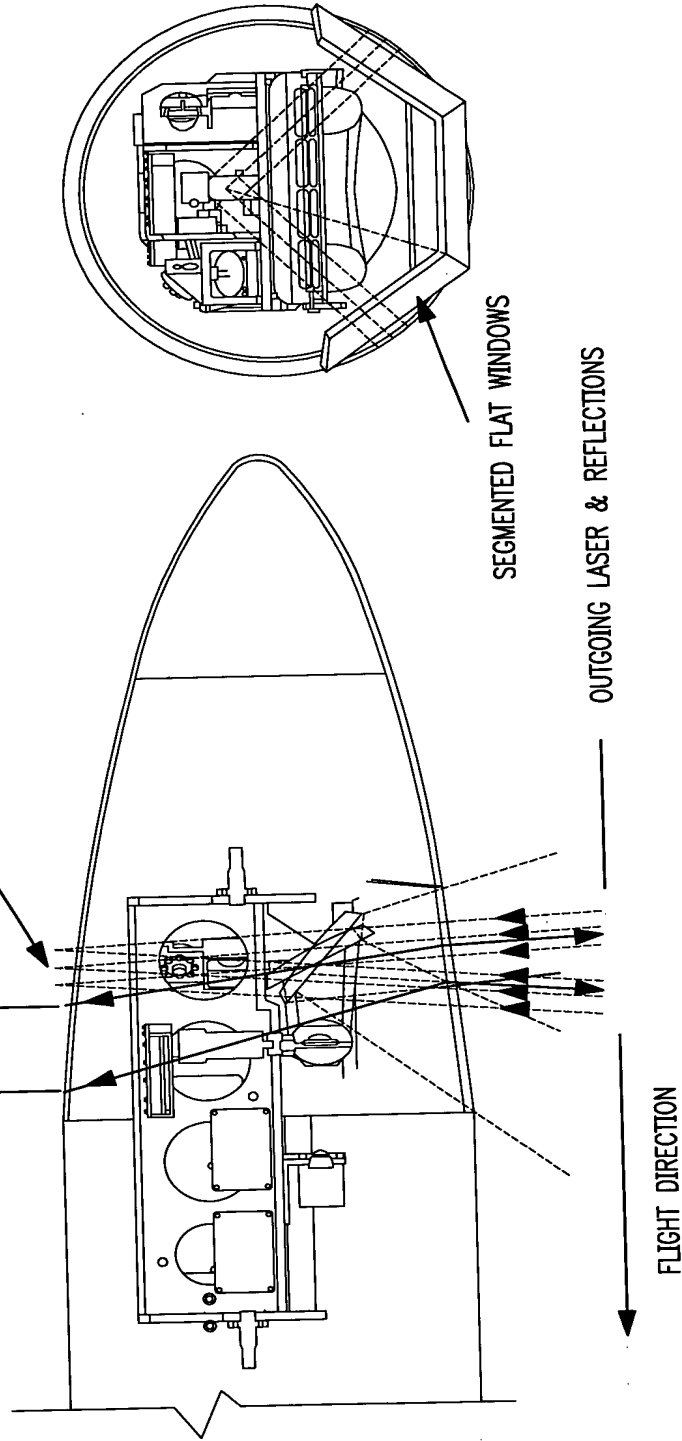


FIG. 5

F-16 WITH LUGGAGE POD FOR SCANNER, SHOWN (RIGHTMOST)

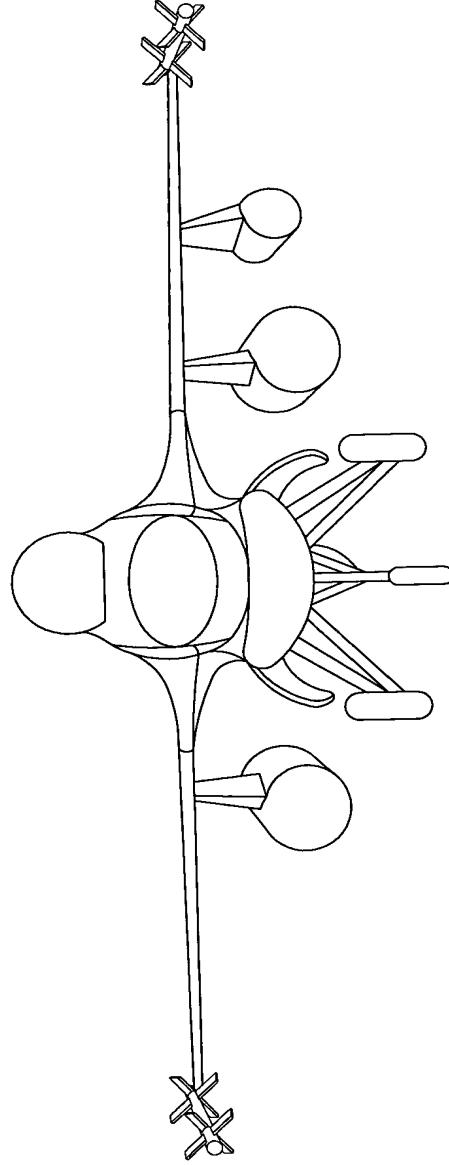


FIG. 6

LASER RAY PATHS IN SCANNER (PITCH STABILIZATION MIRROR NOT SHOWN)

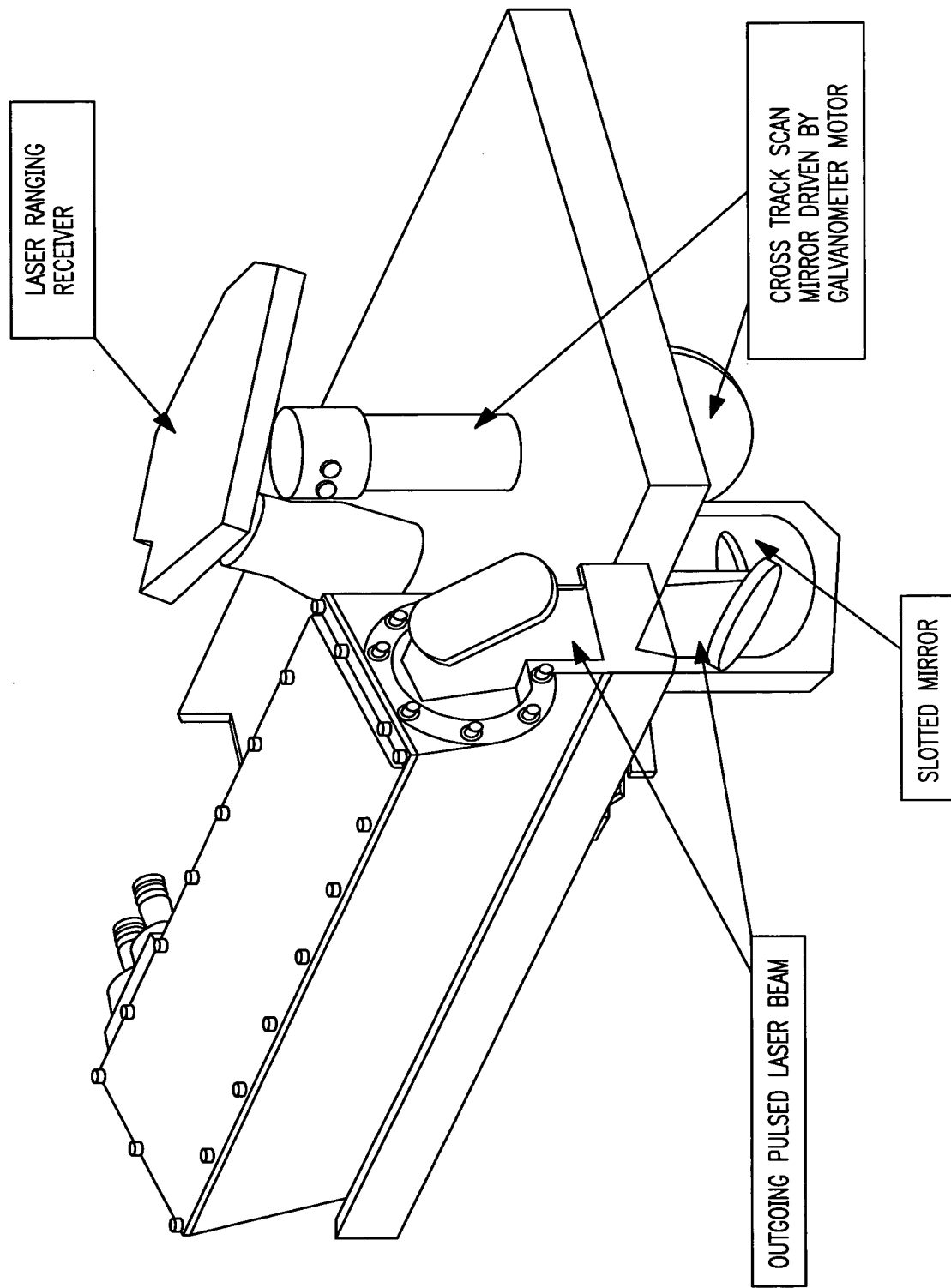


FIG. 7

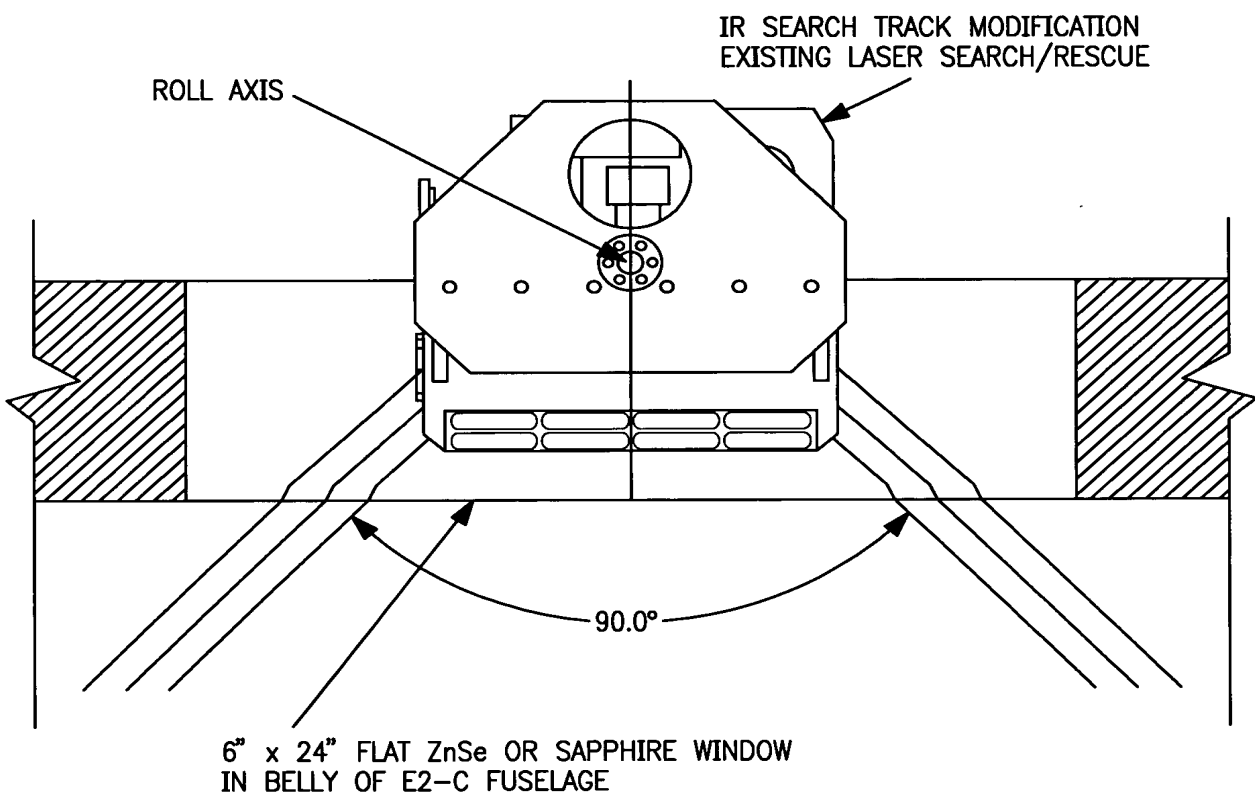


FIG. 8

COMBAT SEARCH AND RESCUE SCANNER MODIFIED INTO IRST SCANNER

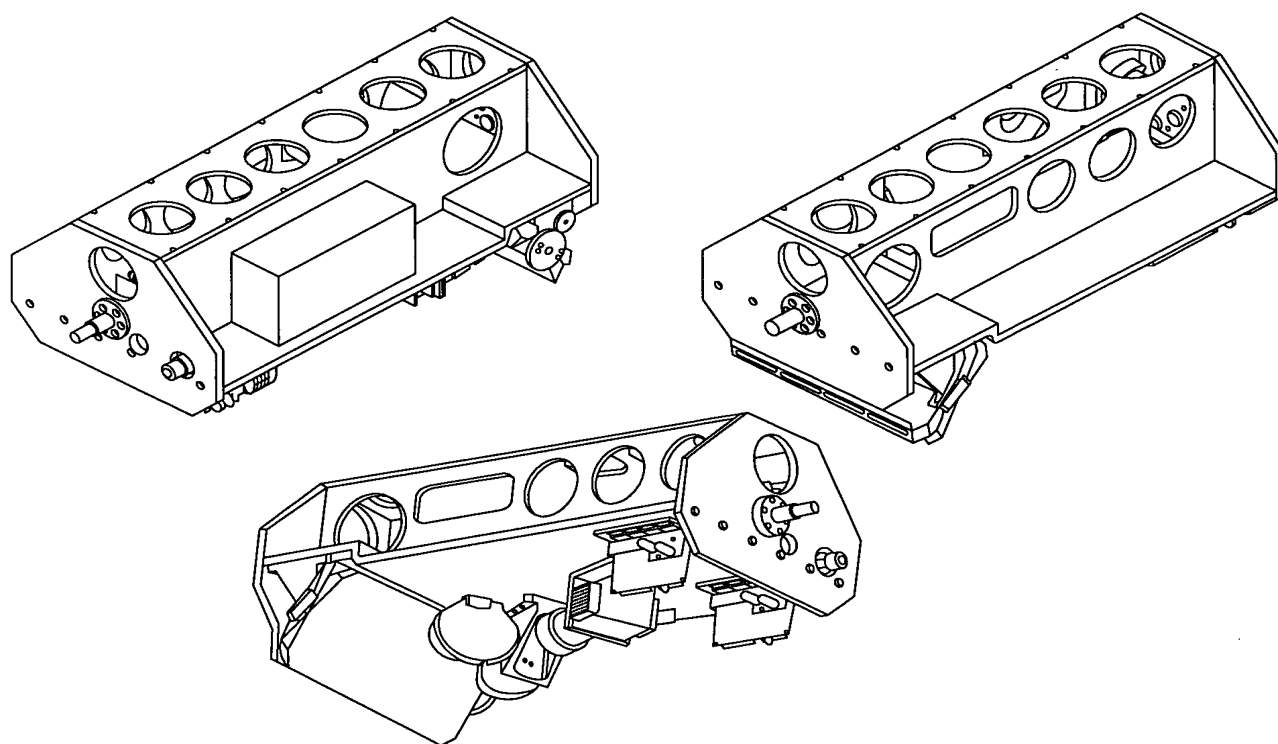


FIG. 9